

ELECTRICIAN TRAINEE

A student who has completed Job Corps' Electrician Trainee program is trained and ready to work in this field. To complete a trade, the student must learn the academic and vocational skills required for graduation. Job Corps students also learn good work and personal habits, preparing them for life after Job Corps. To complete the Electrician Trainee program, a student must master skills in the following categories:

SAFETY

Demonstrate proper use of basic electrical safety equipment; comply with OSHA HAZMAT requirements.

POUCH TOOLS

Demonstrate proper use and maintenance of shop tools.

SPECIALTY TOOLS

Demonstrate proper use of manual and hydraulic knockout punches, volt-ohm and clamp-on meters.

CONDUCTORS, CABLES AND CORDS

Identify cables, boxes and fittings found in residential and commercial applications.

BLUEPRINTS AND SPECIFICATIONS

Read a rule; measure objects to within 1/8-inch tolerance and identify residential electrical construction symbols.

WIRING METHODS, RESIDENTIAL

Install cable based on NEC requirements.

WIRING METHODS, COMMERCIAL

Bend an offset, saddle, and back bend using manual bender for electrical metallic tubing.

LOAD CENTERS

Identify safety switches, enclosures; load center accessories/parts and panel interior configurations.

OVERCURRENT PROTECTION AND GROUND FAULT CIRCUIT INTERRUPTERS (GFCI)

Identify fuses/breakers rated 600V or less; install and test GFCI receptacles/circuit breakers.

DEVICE AND LIGHTING INSTALLATION

Install full range of switches/receptacles; install surface, recessed and HID light fixtures.

COMMUNICATIONS

Install chime circuit and residential/commercial telephone system.

RESIDENTIAL SERVICE INSTALLATIONS AND EQUIPMENT CONNECTIONS

Install/connect overhead raceway, meter base, underground service conductors, appliance supply cord, disconnecting means for HVAC equipment/safety switch cover plates on devices.

TASK PLANNING, ORGANIZATIONAL SKILLS AND HUMAN RELATIONS

Acquire materials and tools to complete job; maintain positive working relationships with superiors, customers and fellow employees.

